

Application No.: 09/508,79**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☒ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

SEQUENCE LISTING

<110> Miyata, Toshio

<120> MEGSIN PROTEIN

<130> SHIM004

<140> 09/508,997

<141> 2000-06-27

<150> PCT/JP98/04269

<151> 1998-09-22

<150> 9/275302

<151> 1997-09-22

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1867

<212> DNA

<213> Homo sapiens

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<223> n is an unknown and may be any natural amino acid

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vaasnthraa srggatattg aaactcttct aatagtcagt cagggtctca gtctcaactg 360
gytyrgyasn srsrasnrg nsrgyugnsr gnuaaaagag tttttctga tataaatgca 420
tcccacaagg attatgatct cysargvahn rasasnaasr hsysastyra suagcattgt 480
gaatgggctt ttgctgaaa aagtgtatgg ctttcataag srvaasngyu haaguysvat 540
yrgyhhsysg actacattga gtgtgccgaa aaattatacg atgccaaagt ggagcgaast 600
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 asrcysr 1867

<210> 2

<211> 380

<212> PRT

<213> Homo sapiens

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 Leu Ser Leu Phe Ala Ala Leu Ala Leu Val Arg Leu Gly Ala Gln Asp
 35 40 45
 Asp Ser Leu Ser Gln Ile Asp Lys Leu Leu His Val Asn Thr Ala Ser
 50 55 60
 Gly Tyr Gly Asn Ser Ser Asn Ser Gln Ser Gly Leu Gln Ser Gln Leu
 65 70 75 80
 Lys Arg Val Phe Ser Asp Ile Asn Ala Ser His Lys Asp Tyr Asp Leu
 85 90 95
 Ser Ile Val Asn Gly Leu Phe Ala Glu Lys Val Tyr Gly Phe His Lys
 100 105 110
 Asp Tyr Ile Glu Cys Ala Glu Lys Leu Tyr Asp Ala Lys Val Glu Arg
 115 120 125
 Val Asp Phe Thr Asn His Leu Glu Asp Thr Arg Arg Asn Ile Asn Lys
 130 135 140
 Trp Val Glu Asn Gly Thr His Gly Lys Ile Lys Asn Val Ile Gly Glu
 145 150 155 160
 Gly Gly Ile Ser Ser Ala Val Met Val Leu Val Asn Ala Val Tyr
 165 170 175
 Phe Lys Gly Lys Trp Gln Ser Ala Phe Thr Lys Ser Glu Thr Ile Asn
 180 185 190
 Cys His Phe Lys Ser Pro Lys Cys Ser Gly Lys Ala Val Ala Met Met
 195 200 205
 His Gln Glu Arg Lys Phe Asn Leu Ser Val Ile Glu Asp Pro Ser Met
 210 215 220
 Lys Ile Leu Glu Leu Arg Tyr Asn Gly Gly Ile Asn Met Tyr Val Leu
 225 230 235 240
 Leu Pro Glu Asn Asp Leu Ser Glu Ile Glu Asn Lys Leu Thr Phe Gln
 245 250 255
 Asn Leu Met Glu Trp Thr Asn Pro Arg Arg Met Thr Ser Lys Tyr Val
 260 265 270
 Glu Val Phe Phe Pro Gln Phe Lys Ile Glu Lys Asn Tyr Glu Met Lys
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<211> 380

<212> PRT

<213> Rattus rattus

<220>

<223> Xaa indicates a naturally occurring unknown amino acid

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20 25 30

Leu Ser Ile Phe Thr Ala Leu Ser Leu Ile Arg Leu Gly Ala Arg Gly

35 40 45

Asp Cys Xaa Arg Gln Ile Asp Lys Ala Leu His Phe Ile Ser Pro Ser

50 55 60

Arg Gln Gly Asn Ser Ser Asn Ser Gln Leu Gly Leu Gln Tyr Gln Leu

65 70 75 80

Lys Arg Val Leu Ala Asp Ile Asn Ser Ser His Lys Asp Xaa Lys Leu

85 90 95

Ser Ile Ala Asn Gly Val Phe Ala Glu Lys Val Phe Asp Phe His Lys

100 105 110

Ser Tyr Met Glu Cys Ala Glu Asn Leu Tyr Asn Ala Lys Val Glu Arg

115 120 125

Val Asp Phe Thr Asn Asp Ile Gln Glu Thr Arg Phe Lys Ile Asn Lys

130 135 140

Trp Ile Glu Asn Glu Thr His Gly Lys Ile Lys Lys Val Leu Gly Asp

145 150 155 160

Ser Ser Leu Ser Ser Ser Ala Val Met Val Leu Val Asn Ala Val Tyr

165 170 175

Phe Lys Gly Lys Trp Lys Ser Ala Phe Thr Lys Ser Asp Thr Leu Ser

180 185 190

Cys His Phe Arg Ser Pro Ser Gly Pro Gly Lys Ala Val Asn Met Met

195 200 205

His Gln Glu Arg Arg Phe Asn Leu Ser Thr Ile Gln Glu Pro Pro Met

210 215 220

Gln Ile Leu Glu Leu Gln Tyr His Gly Gly Ile Ser Met Tyr Ile Met

225 230 235 240

Leu Pro Glu Asp Asp Leu Ser Glu Ile Glu Ser Lys Leu Ser Phe Gln

245 250 255

Asn Leu Met Asp Trp Thr Asn Ser Arg Lys Met Lys Ser Gln Tyr Val

260 265 270

Asn Val Phe Leu Pro Gln Phe Lys Ile Glu Lys Asp Tyr Glu Met Arg

275 280 285

Ser His Leu Lys Ser Val Gly Leu Glu Asp Ile Phe Val Glu Ser Arg

290 295 300

Ala Asp Leu Ser Gly Ile Ala Ser Gly Gly Arg Leu Tyr Val Ser Lys

305 310 315 320

Leu Met His Lys Ser Leu Ile Glu Val Ser Glu Glu Gly Thr Glu Ala

325 330 335

Thr Ala Ala Thr Glu Ser Asn Ile Val Glu Lys Leu Leu Pro Glu Ser

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<213> Mus musculus

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<223> n is an unknown and may be any natural amino acid

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 tccgtctghh srsrusrth raauthruar guggtgctcg aggtgactgt gcacgtcaga 180
 ttgacaaggc actgcacttt gyaaarggya scysaaargg nasysaauhs haacatacca 240
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 snasngnrgy ucagtatcaa ttgaaaagag ttcttgctga cataaactca tctcataagg 360
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 gaactacatt gagtgtgctg aaaactata caatgctash hsysasntyr gucysaagua 540
 snutyraana aaaagtggaa agagttgact tcacaaatga tgtacaagat accagattty 600
 svaguargva ashtthrasna svagnasthr arghaaaatt aataaatgga ttgaaaatga 660
 gacacatgga aagatcaaga agysasnyst rguasnguth rhsgyysysy sgtgttgggc 720
 gacagcagcc tcagctcgtc ggctgtcatg gtgctggtgv augyassrsr usrsrsraav 780
 amtvaauvaa cgctgtttac ttcaaaggca aatggaaatc ggccctcacc aagactasna 840
 avatyryhsg yystryssra ahthrysthr gataccctca gttgccgttt taggtctccc 900
 acgtgtcctg gaaaagtaas thrusrcysa rghargsrrt hrcysrgyys vagttaatat 960
 gatgcacaa gaacggcggg tcaattgtc taccattcag vaasnmtmth sgnguargar 1020
 ghasnusrth rgncagccac caatgcagggt tcttgagctc caatatcatg gtggcataag 1080
 cgnrrmtgnv auguugntyr hsgygysrat gtacattatg ctgcctgagg atggcctatg 1140
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<211> 368

<212> PRT

<213> Mus musculus

<400> 6

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1

5

10

15

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20

25

30

Gly Ala Arg Gly Asp Cys Ala Arg Gln Ile Asp Lys Ala Leu His Phe
 35 40 45
 Asn Ile Pro Ser Arg Gln Gly Asn Ser Ser Asn Asn Gln Pro Gly Leu
 50 55 60
 Gln Tyr Gln Leu Lys Arg Val Leu Ala Asp Ile Asn Ser Ser His Lys
 65 70 75 80
 Asp Tyr Glu Leu Ser Ile Ala Thr Gly Val Phe Ala Glu Lys Val Tyr
 85 90 95
 Asp Phe His Lys Asn Tyr Ile Glu Cys Ala Glu Asn Leu Tyr Asn Ala
 100 105 110
 Lys Val Glu Arg Val Asp Phe Thr Asn Asp Val Gln Asp Thr Arg Phe
 115 120 125
 Lys Ile Asn Lys Trp Ile Glu Asn Glu Thr His Gly Lys Ile Lys Lys
 130 135 140
 Val Leu Gly Asp Ser Ser Leu Ser Ser Ser Ala Val Met Val Leu Val
 145 150 155 160
 Asn Ala Val Tyr Phe Lys Lys Trp Lys Ser Ala Phe Thr Lys Thr
 165 170 175
 Asp Thr Leu Ser Cys Arg Phe Arg Ser Pro Thr Cys Pro Gly Lys Val
 180 185 190
 Val Asn Met Met His Gln Glu Arg Arg Phe Asn Leu Ser Thr Ile Gln
 195 200 205
 Gln Pro Pro Met Gln Val Leu Glu Leu Gln Tyr His Gly Gly Ile Ser
 210 215 220
 Met Tyr Ile Met Leu Pro Glu Asp Gly Leu Cys Glu Ile Glu Ser Lys
 225 230 235 240
 Leu Ser Phe Gln Asn Leu Met Asp Trp Thr Asn Arg Arg Lys Met Lys
 245 250 255
 Ser Gln Tyr Val Asn Val Phe Leu Pro Gln Phe Lys Ile Glu Lys Asn
 260 265 270
 Tyr Glu Met Thr His His Leu Lys Ser Leu Gly Leu Lys Asp Ile Phe
 275 280 285
 Asp Glu Ser Ser Ala Asp Leu Ser Gly Ile Ala Ser Gly Gly Arg Leu
 290 295 300
 Tyr Val Ser Lys Leu Met His Lys Ser Phe Ile Glu Val Ser Glu Glu
 305 310 315 320
 Gly Thr Glu Ala Thr Ala Ala Thr Glu Asn Asn Ile Val Glu Lys Gln
 325 330 335
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<211> 18

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<213> Artificial Sequence

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<223> Synthesis

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<211> 26

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<211> 34

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<212> DNA

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<210> 32

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<400> 32

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<211> 30

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<211> 36

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<210> 40

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<212> DNA

<213> Artificial Sequence

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<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Synthesis

<400> 43

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<210> 44

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Synthesis

<400> 44

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27

Bozicevic, Field & Francis LLP
200 Middlefield Road, Suite 200
Menlo Park, California 94025
(650) 327-3400

Applicant(s): Toshio Miyata

Title: Megsin Protein

Filing Date: June 27, 2000

Serial No.: 09/508,997

Attorney Docket No.: SHIM004